

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python> git init
```

Initialized empty Git repository in C:/Users/NithinSatyaNagYadavK/OneDrive - kyndryl/Desktop/Python/.git/

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python> git clone https://github.com/nithinyadav39/kptesting.git
```

Cloning into 'kptesting'...

warning: You appear to have cloned an empty repository.

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python>
```

* History restored

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python> cd .\kptesting\
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git init
```

Reinitialized existing Git repository in C:/Users/NithinSatyaNagYadavK/OneDrive - kyndryl/Desktop/Python/kptesting/.git/

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git branch
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git add '.\all even numbers between 1 and 50.py'
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git commit -m "first commit to main"
```

[main (root-commit) 977e0be] first commit to main

Committer: nithin <kattanithinsatyanagyadav@kyndryl.com>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly:

```
git config --global user.name "Your Name"
```

```
git config --global user.email you@example.com
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

1 file changed, 3 insertions(+)

create mode 100644 all even numbers between 1 and 50.py

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
create branch main
```

git: 'create' is not a git command. See 'git --help'.

The most similar command is

```
reset
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
checkout -b main
```

git: 'chechout' is not a git command. See 'git --help'.

The most similar command is

```
checkout
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
checkout -b main
```

fatal: a branch named 'main' already exists

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
push -u origin main
```

Enumerating objects: 3, done.

Counting objects: 100% (3/3), done.

Delta compression using up to 12 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 292 bytes | 19.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To <https://github.com/nithinyadav39/kptesting.git>

* [new branch] main -> main

branch 'main' set up to track 'origin/main'.

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git checkout dev

error: pathspec 'dev' did not match any file(s) known to git

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git branch

* main

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git checkout dev

error: pathspec 'dev' did not match any file(s) known to git

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git status

On branch main

Your branch is up to date with 'origin/main'.

Untracked files:

(use "git add <file>..." to include in what will be committed)

Count how many times each character appears in mississippi.py

even numbers from [1, 2, 3, 4, 5].py

nothing added to commit but untracked files present (use "git add" to track)

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git branch

* main

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git pull

Already up to date.

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git checkout dev
```

branch 'dev' set up to track 'origin/dev'.

Switched to a new branch 'dev'

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git branch
```

```
* dev
```

```
main
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git add '.\Count how many times each character appears in mississippi.py'
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git commit -m "push to dev"
```

```
[dev 6af2ceb] push to dev
```

```
Committer: nithin <kattanithinsatyanagyadav@kyndryl.com>
```

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly:

```
git config --global user.name "Your Name"
```

```
git config --global user.email you@example.com
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 4 insertions(+)
```

```
create mode 100644 Count how many times each character appears in mississippi.py
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git push
```

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 12 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 411 bytes | 27.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To <https://github.com/nithinyadav39/kptesting.git>

977e0be..6af2ceb dev -> dev

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git pull

remote: Enumerating objects: 1, done.

remote: Counting objects: 100% (1/1), done.

remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

Unpacking objects: 100% (1/1), 890 bytes | 10.00 KiB/s, done.

From <https://github.com/nithinyadav39/kptesting>

977e0be..ebb69e0 stage -> origin/stage

Already up to date.

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git add '.\Count how many times each character appears in mississippi.py'

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git commit -m "2commit"

[dev 322024b] 2commit

Committer: nithin <kattanithinsatyanagyadav@kyndryl.com>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly:

git config --global user.name "Your Name"

git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

1 file changed, 4 insertions(+), 1 deletion(-)

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git push
```

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 12 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 334 bytes | 30.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To <https://github.com/nithinyadav39/kptesting.git>

```
6af2ceb..322024b dev -> dev
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git checkout 6af2cebfcbbcb672554e5cabeedd4ffd805070754
```

Note: switching to '6af2cebfcbbcb672554e5cabeedd4ffd805070754'.

You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may do so (now or later) by using -c with the switch command. Example:

```
git switch -c <new-branch-name>
```

Or undo this operation with:

git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 6af2ceb push to dev

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
branch
```

```
* dev
```

```
main
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
stash
```

Saved working directory and index state WIP on dev: 322024b 2commit

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
checkout main
```

Switched to branch 'main'

Your branch is up to date with 'origin/main'.

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
checkout dev
```

Switched to branch 'dev'

Your branch is up to date with 'origin/dev'.

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
stash pop
```

On branch dev

Your branch is up to date with 'origin/dev'.

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: Count how many times each character appears in mississippi.py

Untracked files:

(use "git add <file>..." to include in what will be committed)

even numbers from [1, 2, 3, 4, 5].py

no changes added to commit (use "git add" and/or "git commit -a")

Dropped refs/stash@{0} (1c41fd748ef5cb8cc9dca72074206832cdd80e2d)

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting>

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git add '.\Count how many times each character appears in mississippi.py'

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git commit -m "tag v1.0"

[dev f39f8c4] tag v1.0

Committer: nithin <kattanithinsatyanagyadav@kyndryl.com>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly:

git config --global user.name "Your Name"

git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:


```
git commit --amend --reset-author
```

1 file changed, 2 deletions(-)

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git tag -a v1.0 -m "Version 1.0 release"
```

fatal: tag 'v1.0' already exists

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git push origin dev --tags
```

Enumerating objects: 8, done.

Counting objects: 100% (8/8), done.

Delta compression using up to 12 threads

Compressing objects: 100% (6/6), done.

Writing objects: 100% (6/6), 578 bytes | 30.00 KiB/s, done.

Total 6 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)

remote: Resolving deltas: 100% (3/3), completed with 1 local object.

To <https://github.com/nithinyadav39/kptesting.git>

9441d00..f39f8c4 dev -> dev

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git mv "Count how many times each character appears in mississippi.py" count.py
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git config --global alias.co checkout
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git co main
```

Switched to branch 'main'

Your branch is up to date with 'origin/main'.

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git format-patch -1 HEAD
```

0001-test.patch

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git log --oneline --graph
```

* 08705d8 (HEAD -> dev, origin/dev) 4commit

* f39f8c4 tag v1.0

* 8466548 tag v1.0

* ce5dba3 (tag: v1.0) tag v1.0

* 9441d00 3commit

* 322024b 2commit

* 6af2ceb push to dev

* 977e0be first commit to main

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git show HEAD

commit 08705d8b5319c176fcf178e6276fd152a10ed45d (HEAD -> dev, origin/dev)

Author: nithin <kattanithinsatyanagyadav@kyndryl.com>

Date: Wed Oct 29 20:10:11 2025 +0530

4commit

diff --git a/Count how many times each character appears in mississippi.py b/count.py

similarity index 100%

rename from Count how many times each character appears in mississippi.py

rename to count.py

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git switch main

Switched to branch 'main'

Your branch is up to date with 'origin/main'.

PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git switch dev

Switched to branch 'dev'

Your branch is up to date with 'origin/dev'.

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
rm .\count.py
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
restore '.\Count how many times each character appears in mississippi.py'
```

```
PS C:\Users\NithinSatyaNagYadavK\OneDrive - kyndryl\Desktop\Python\kptesting> git  
checkout -- '.\Count how many times each character appears in mississippi.py'
```